

Team Member's Names: Caiden and John  
School: Mount Vernon Middle School, Mount Vernon, IA  
Teacher: Mrs. Searce

Proposal:

1. The name and/or description of your chosen ice feature

Our ice feature is Lake Vida. It is a medium sized lake in a low valley. We are not sure if it is frozen or not. It is in Victoria Valley. According to Lima it is- A lake lying N of Mount Cerberus in the Victoria Valley of Victoria Land. Named by the VUWAE (1958-59) after Vida (Vaida), a sledge dog of the BrAE, 1910-13.

2. An image of your chosen ice feature



3. The location of your selected feature in terms of its longitude and latitude as well as the region of Antarctica in which it exists. (Teams are encouraged to include a map of Antarctica with a mark pinpointing the location of their selected feature).

**Its latitude is 77S and the longitude is 161E. It is located in Victoria Valley in the Dry Valleys.**



4. A paragraph explaining why your chosen ice feature is scientifically interesting.

It is scientifically interesting because it is a lake in Antarctica. We chose it because we thought that that was cool. We also think that if it is not all the way frozen scientists should send an ROV to take some underwater samples of ice, water, and possible living organisms under the ice.

It would also be interesting to take ice core samples of this feature.

5. A paragraph hypothesizing what geologic processes you think are occurring to create this ice feature.

We think that in order to create this ice feature there would have to have been glaciers that were moving above Victoria Valley. The melting ice traveled down the valley and then froze at the bottom of it. From this happening it would have created Lake Vida.

6. A paragraph asserting why you and your team should be funded to further investigate this area of Antarctica. (In other words, what are the potential benefits of exploring this feature?)

An underwater probe can help us figure out if global warming is affecting the amount of water in the lake each year. Also this can tell people global warming is a very big deal.

Another concern is what life is like on other planets. We will have more people looking for life on other planets with extreme environments like Antarctica. So then if we can have more people live on Antarctica we can have people live on other planets.